ELSEVIER

Journal of Organometallic Chemistry 589 (1999) 257–258

Journal of Organometallic Chemistry

Contents of Volume 589

Regular Papers

Foreword to special issue on bioorganometallic chemistry
G. Jaouen 1

Organometallic iridium(III) and rhenium(I) complexes with lumazine, alloxazine and pterin derivatives
O. Heilmann, F.M. Hornung, J. Fiedler, W. Kaim 2

Organotransition metal modified sugars 14. Activation of sugar-based alkynols at a metal carbonyl template: a metal vinyl carbene functionalization of carbohydrates and non-conventional route to organometallic disaccharides
K. Heinz Dötz, D. Paetsch, H. Le Bozec 11

Metal complexes of biologically important ligands, Part CXVIII. Metathesis of dehydro amino acids with Fischer carbene complexes: synthesis of complexes of amino acid- and peptide-α-carbenes and of isoindoles
H. Dialer, K. Polborn, W. Beck 21

Preparation and characterization of chromium, molybdenum and tungsten compounds containing amino acid ester derivatized diimine ligands. Crystal structure of $Mo(CO)_4$(pyca-β-ala-OEt)
R.S. Herrick, K.L. Houde, J.S. McDowell, L.P. Kiczek, G. Bonavia 29

The ferrocene moiety as a structural probe: redox and structural properties of ferrocenoyl-oligoprolines Fc–Pro_n–OBzl ($n = 1–4$) and Fc–Pro_2–Phe–OBzl
H.-B. Kraatz, D.M. Leek, A. Houmam, G.D. Enright, J. Lusztyk, D.D.M. Wayner 38

Characterization of ferrocene derivatives bearing podand dipeptide chains (-L-Ala-L-Pro-OR)
T. Moriuchi, A. Nomoto, K. Yoshida, T. Hirao 50

Novel metallocenic compounds as antimalarial agents. Study of the position of ferrocene in chloroquine
C. Biot, L. Delhaes, H. Abessolo, O. Domarle, L.A. Maciejewski, M. Mortuaire, P. Delcourt, P. Deloron, D. Camus, D. Dive, J.S. Brocard 59

Bioorganometallic chemistry: Part 12. Reaction of $[Cp^*Rh(H_2O)_3](OTf)_2$ with nicotinamide adenine dinucleotide in water: synthesis, structure, and a pH-dependent ^{1}H-NMR and voltammetric study of the cyclic trimer product, $[Cp^*Rh(\mu\text{-}\eta^1(N1):\eta^2(N6,N7)\text{-}9\text{-}(5'\text{-ribose pyrophosphate-}5''\text{-ribose-}1''\text{-nicotinamide})adeninato]_3(OTf)_3$
S. Ogo, O. Buriez, J.B. Kerr, R.H. Fish 66

Synthesis of organometallic amines and their coupling to the C-terminus of amino acids and peptides
A. Hess, O. Brosch, T. Weyhermüller, N. Metzler-Nolte 75

Linear free-energy relationships and inverted Marcus region in the horseradish peroxidase-catalyzed oxidation of ferrocenes by hydrogen peroxide
A.D. Ryabov, V.N. Goral, E.V. Ivanova, M.D. Reshetova, A. Hradsky, B. Bildstein 85

A new application of bioorganometallics: the first simultaneous triple assay by the carbonylmetalloimmunoassay (CMIA) method
M. Salmain, A. Vessières, A. Varenne, P. Brossier, G. Jaouen 92

Inhibition and photo-deinhibition of glutathione (*S*)-transferase activity by an organometallic complex: (*S*)-[3-$CpFe(CO)_2(\eta^1$-*N*-succinimidato)]glutathione
M. Salmain, G. Jaouen, B. Rudolf, J. Zakrzewski 98

Attachment of IR-active organometallic probe groups to flavonoid inducers of nod gene expression
A.V. Malkov, L. Mojovic, G.R. Stephenson, A.T. Turner, C.S. Creaser 103

Reactions of α-amino acid-*N*-carboxyanhydrides (NCAs) with organometallic palladium(0) and platinum(0) compounds: structure of a metallated NCA product and its role in polypeptide synthesis
A.A. Goodwin, X. Bu, T.J. Deming 111

Controlled oxidative addition of amino acid esters to Rh(I)
D.B. Grotjahn, C. Joubran, D. Combs 115

First Pauson–Khand reaction on sugar acetylenes
M. Isobe, S. Takai 122

Author Index of Volume 589, Issue 1 126

Regular Papers

Isolation and X-ray structure of $[C_5H_4C(CH_3)(C_3H_7)CH_2CH{=}CH_2]$–$Ln(OH)Cl\cdot 2MgCl_2\cdot 4THF$ (Ln = Nd, Gd)
J. Lin, Z. Wang 127

Reactions of spiked and open chain cluster hydrides with Au complexes: skeletal rearrangement and crystal structures of heterometallic clusters $[Au_2Ru_4(CO)_{12}(\mu_4\text{-}PCF_3)(PMe_3)_2]$ and $[Au_2Ru_4(CO)_{12}(\mu_3\text{-}PCF_3)_2(PPh_3)_2]$
H.G. Ang, S.-G. Ang, S. Du 133

Iron(II)–nitrile complexes: synthesis, structure and property of *trans*-$[FeH(NCR)(dppe)_2]^+X^-$ (dppe = $Ph_2PCH_2CH_2PPh_2$: R = CH_3, $CH_2CH_2OCH_3$, $CH_2CH_2CH_2Cl$, C_6H_5: X = Cl, BPh_4, BF_4)
J.-G. Lee, B.-S. Yoo, N.-S. Choi, K.I. Park, S.I. Cho, C. Lee, S.W. Lee 138

Gas-phase ion chemistry of silane with ethane and ethyne
P. Antoniotti, C. Canepa, L. Operti, R. Rabezzana, G. Tonachini, G.A. Vaglio 150

Novel acetylene-linked di-cobalt and tetra-cobalt carbonyl clusters
S.M. Draper, M. Delamesiere, E. Champeil, B. Twamley, J.J. Byrne, C. Long 157

Ruthenium-catalysed *ortho* vinylation of aromatic ketones with alkynes; unexpected cyclopentaannulation
P.W.R. Harris, C.E.F. Rickard, P.D. Woodgate 168

Synthesis and structural characterisation of osmium carbonyl clusters containing azo ligands
F.-S. Kong, W.-T. Wong 180

Syntheses, crystal structures and spectroelectrochemical studies of two isomeric binuclear osmium carbonyl compounds $[\{Os(CO)_2Ph\}_2\{\mu\text{-}\eta^2\text{-}SC(NNPh)_2\}_2]$
F.-S. Kong, W.-T. Wong 191

Synthesis and molecular structure of hexaruthenium clusters containing unsaturated ring systems derived from 1-ethynylcyclopentanol, 1-ethynylcycloheptanol and 1-ethynylcyclooctanol
C. Sze-Wai Lau, W.-T. Wong 198

Double addition of a 1,3-diyne to C_2 on an Ru_5 cluster gives a multi-branched C_{10} chain
C.J. Adams, M.I. Bruce, B.W. Skelton, A.H. White 213

ansa-Ytterbocene(III) chloride and borohydride with a short bridge and bulky substituents: synthesis and crystal structures of [*meso*-$(CH_3)_2Si[3\text{-}(CH_3)_3SiC_5H_3]_2Yb(\mu_2\text{-}Cl)]_2$ and *meso*-$(CH_3)_2Si[3\text{-}(CH_3)_3SiC_5H_3]_2Yb[(\mu_2\text{-}H)_3BH](THF)$
A.V. Khvostov, V.V. Nesterov, B.M. Bulychev, A.I. Sizov, M.Yu Antipin 222

Mixed-metal cluster chemistry 15: some bidentate phosphine chemistry of tungsten–iridium clusters
S.M. Waterman, M.G. Humphrey, J. Lee 226

Synthesis and characterization of the lithium organoargentate salts $[Li(THF)_4][Ag(Triph)_2]\cdot THF$ and $[Li(THF)_4][Ag(C_6H_3\text{-}2,6\text{-}Mes_2)_2]\cdot 1/8OEt_2$ (Triph = $-C_6H_2$-2,4,6-Ph_3; Mes = C_6H_2-2,4,6-Me_3)
C.-S. Hwang, P.P. Power 234

Investigation of the reaction product of 1,4,7,10-tetraphenyl-cyclododecahexa-1,2,3,7,8,9-ene with dodecacarbonyl-triiron by X-ray diffraction and MS: comparative structural study of the hexacarbonyl-μ_2-($1\eta^2$-1,2-ene-$2\eta^3$-3,4,5-allyl-$1\sigma^1$-5)diiron(Fe–Fe) system
A. Zimniak, J. Zachara, M. Olejnik 239

Conference Calendar 247
Author Index 249
Subject Index 251
Contents of Volume 589 257

Guide for Authors

Submission of Papers

Authors of Organic Papers, Preliminary Communications, and Polymer Communications should submit a disk together with two copies of their manuscript. It is important to save all the finished files in the "Word Perfect" and submit hard copies of the final version.

Regional Editors

Professor Dr. Albert Jackson, Department of Chemistry and Biochemistry, University of North Carolina, Greensboro, NC 27412, USA.

Professor Dr. Bernard Lachance, Faculté des Sciences et de Génie, Université Laval, Québec, G1K 7P4, Canada.

Professor Wolf Zimmermann, Institut für Angewandte Chemie, Technische Universität Hamburg-Harburg, Eissendorfer Strasse 42, D-2100 Hamburg 90, Germany.

Professor Dr. Akira Yamagishi, Department of Biological Science, Graduate School of Science, Osaka University, 1-16-1, Machikaneyama, Toyonaka, Osaka 560, Japan.

Professor K. Yonetani, Research Institute for Polymers and Textiles, 1-1-4 Higashi, Tsukuba, Ibaraki 305, Japan.

Editorial Assistant

Professor Dr. Leigh Shepherd, Department of Chemistry, Physics and Environmental Sciences, University of Sunderland, Sunderland SR1 3SD, UK.

Manuscript Preparation

Language: English spelling according to Webster's Dictionary. Numbers: Arabic numerals are used throughout, except for subdivisions of lists within the text, which are designated by lowercase roman numerals in parentheses. Abbreviations: Only standard abbreviations may be used without definition. Words to be abbreviated must be spelled out the first time they appear in the text, followed by the abbreviation in parentheses. Thereafter, the abbreviation may be used alone. Exceptions: Abbreviations commonly used in lieu of the spelled-out word, such as "DNA," "ATP," "EDTA," "HIV," "RNA," etc., may be used without definition. Units: Follow the recommendations in the "Standard Book" of the Royal Society of Chemistry. Symbols: Define symbols immediately following the first use in the text. Equations: Number equations consecutively with Arabic numerals in parentheses placed flush with the right-hand margin of the page. Type subscripts and superscripts clearly above or below the baseline. Use solidus (/) rather than horizontal lines for small exponents.

Preparation of Illustrations

Illustrations: Each figure should be mentioned in consecutive numerical order in the text. Figures should be designed to allow for reduction to column width (8 cm) with clear lettering after reduction. Figures should be submitted in camera-ready form; however, we can also work from figures drawn in Corel Draw, Harvard Graphics, Chem Draw, Chem Windows, Origin, Excel, Cricket Graph, Quattro Pro, Lotus 1-2-3, Kaleidagraph, Deltagraph, Sigma Plot, Super Plot, Microsoft Word, Word Perfect, Microsoft Works, Microsoft Excel, and Microsoft Powerpoint. Please do not use fancy fonts in figures, only standard ones such as Times, Symbol, Helvetica, or Arial. Number figures consecutively according to the order in which they have been first mentioned in the text. Multipart figures should be assembled as one composite figure. Lettering should be consistent throughout the series of figures, and the same font should be used throughout. Use boldface type for figure numbers and lowercase boldface letters for figure parts. Figure captions should be assembled on a separate page. Line drawings should be in black ink on white paper or tracing cloth. Computer-drawn figures should be printed on a laser printer. Do not use shading or tints in figures. Figures should be designed to be reduced to column width (8 cm). Use open symbols (circles, triangles, squares) rather than filled symbols